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**CLAIMS**

Claims 23-34 (canceled)

35. (Canceled).

36. (Currently amended) ~~A method according to claim 35,~~ A method comprising:

monitoring an electrogram signal to find a trigger event in the electrogram signal, wherein said electrogram signal is obtained via at least a pair of subcutaneous electrodes spaced from a heart;

generating a trigger indicator signal upon finding the trigger event;

recording a plurality of sampled values of the electrogram signal in a memory structure; and

recording the trigger indicator signal in the memory structure contemporaneously with the recording of the sampled values of the electrogram signal.

wherein recording the trigger indicator signal in the memory structure comprises replacing one of the sampled values with the trigger indicator signal and wherein the trigger event comprises detection of out-of-range values of the electrogram signal.

37. (Currently amended) A method according to claim 36, wherein the trigger indicator signal is a first trigger indicator signal corresponding to a first trigger event, the method further comprising:

generating a second trigger indicator signal upon finding the second trigger event in the electrogram signal; and

recording the second trigger indicator signal in the memory structure contemporaneously with the recording of the sampled values of the electrogram signal.

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